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### 1 [An optimally robust hybrid mix network](#)

Markus Jakobsson, Ari Juels

August 2001

**Proceedings of the twentieth annual ACM symposium on Principles of distributed computing**

Full text available: pdf(658.02 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We present a mix network that achieves efficient integration of public-key and symmetric-key operations. This *hybrid* mix network is capable of natural processing of arbitrarily long input elements, and is fast in both practical and asymptotic senses. While the overhead in the size of input elements is linear in the number of mix servers, it is quite small in practice. In contrast to previous hybrid constructions, ours has optimal robustness, that is, robustness against any minority coalitions ...

### 2 [Revokable and versatile electronic money \(extended abstract\)](#)

Markus Jakobsson, Moti Yung

January 1996

**Proceedings of the 3rd ACM conference on Computer and communications security**

Full text available: pdf(1.53 MB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 3 [Flash mixing](#)

Markus Jakobsson

May 1999

**Proceedings of the eighteenth annual ACM symposium on Principles of distributed computing**

Full text available: pdf(962.64 KB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 4 [Proactive public key and signature systems](#)

Amir Herzberg, Markus Jakobsson, Stanisław Jarecki, Hugo Krawczyk, Moti Yung

April 1997

**Proceedings of the 4th ACM conference on Computer and communications security**

Full text available: pdf(1.51 MB)

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### 5 [Resource management: A charging and rewarding scheme for packet forwarding in multi-hop cellular networks](#)

Naouel Ben Salem, Levente Buttyán, Jean-Pierre Hubaux, Markus Jakobsson

June 2003

**Proceedings of the 4th ACM international symposium on Mobile ad hoc networking & computing**

Full text available: pdf(225.98 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In multi-hop cellular networks, data packets have to be relayed hop by hop from a given

mobile station to a base station and vice-versa. This means that the mobile stations must accept to forward information for the benefit of other stations. In this paper, we propose an incentive mechanism that is based on a charging/rewarding scheme and that makes collaboration rational for selfish nodes. We base our solution on symmetric cryptography to cope with the limited resources of the mobile stations. ...

**Keywords:** ad hoc networks, billing, charging, cooperation, hybrid cellular networks, multi-hop cellular networks, packet forwarding, pricing, security

<sup>6</sup> [Privacy-preserving global customization](#)

Robert M. Arlein, Ben Jai, Markus Jakobsson, Fabian Monrose, Michael K. Reiter

October 2000 **Proceedings of the 2nd ACM conference on Electronic commerce**

Full text available:  pdf(401.52 KB)

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